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**PATENT**  
P-4423

*23/D  
AF/NE  
E. Williams  
10-18-02*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): D.J. Wright et al

**EXPEDITED PROCEDURE  
UNDER 37 C.F.R. 1.116**

SERIAL. NO.: 09/335,218

ART UNIT: 1634

FILING DATE: June 17, 1999

EXAMINER: B. Forman

FOR: METHOD AND OLIGONUCLEOTIDES FOR DETECTING NUCLEIC ACID  
SEQUENCE VARIATIONS

**BOX AF**

**AMENDMENT PURSUANT TO 37 C.F.R.**  
**§1.116**

Honorable Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231	
ON:	<u>9-26-02</u> (DATE OF DEPOSIT)
BY:	<u>Donna M Baumann</u> (NAME)
<u>Donna M Baumann</u> (SIGNATURE)	<u>9-26-02</u> (DATE)

Sir:

Responsive to the Final Rejection dated March 26, 2002, please amend the above-identified application as follows.

**IN THE CLAIMS:**

Please amend the claims as follows.

1. (2x Amended) A method for detecting a single nucleotide polymorphism in a target comprising, under isothermal conditions:
  - a) hybridizing a detector primer and a second primer to the target such that extension of the second primer by polymerase displaces the detector primer from the target sequence, wherein the detector primer comprises a diagnostic nucleotide for the single nucleotide polymorphism which is a 3' terminal nucleotide of the detector primer or about one to four nucleotides from the 3' terminal nucleotide of the detection primer;
  - b) extending the detector primer and the second primer with polymerase to produce a displaced detector primer extension product;